
Contents

	Page
The ITS Mission	1
Overview	2
Spectrum and Propagation Measurements	5
Radio Spectrum Measurement Science (RSMS) Operations	6
Radio Spectrum Measurement Science (RSMS)-4 Development	8
Table Mountain Research Program	10
Spectrum Efficiency Research and Engineering	12
Signal Characteristics, Spectral Emissions, and Interference Analyses	14
Telecommunications and Information Technology Planning	17
Engineering Support and Coordination for Justice/Public Safety/Homeland Security ..	18
Information Technology Interoperability Standardization and Quality for Justice/Public Safety/Homeland Security	20
Wireless Telecommunications Interoperability Standardization for Justice/Public Safety/Homeland Security	22
Emergency Telecommunications Service (ETS)	24
Telecommunications Engineering, Analysis, and Modeling	27
PCS Applications	28
U.S. Coast Guard Rescue 21 Technical Consulting	30
Telecommunications Analysis Services	32
Geographic Information System Applications	34
Broadband Wireless Standards	36
Propagation Model Development & Comparisons	38

	Page
Telecommunications Theory	41
Audio Quality Research	42
Broadband Radio Research and Propagation Measurements	44
Effects of Radio Channel on Receivers	46
Video Quality Research	48
Support to Private Sector Telecommunications Activities	50
Cooperative Research with Industry	50
ITU-R Standards Activities	52
ITU-T & Related U.S. Standards Development	54
ITS Tools and Facilities	57
ITS Projects in FY 2005	67
ITS Outputs in FY 2005	73
NTIA Publications	73
Outside Publications	75
Unpublished Presentations	79
Conferences Sponsored by ITS	79
Standards Leadership Roles	80
Representative Technical Contributions	80
Abbreviations/Acronyms	82
Organization Charts	86